

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave.St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-007324**Date Inspected:** 10-Jun-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Zhao Chen Sun**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG & TOWER components**Summary of Items Observed:**

On this date CALTRANS OSM Quality Assurance (QA) Inspector, Dilip Chakrabarti was present during the times noted above for observations relative to the work being performed.

Bay# 6-Tower Assembly

This QA Inspector randomly observed the following work in progress:

SMAW Process:

Welding of weld joints# B/B-6 located on PCMK SSD1 DPSA4-6. Welder is identified as 067588. ZPMC QC is identified as Zhang Bao Bo. The welding variables recorded by QC appeared to comply with the specified WPS no. B-T-3312-TC-P5.

Welding of weld joints# B/B-7 located on PCMK SSD1 DPSA4-6 Welder is identified as 069493. ZPMC QC is identified as Zhang Bao Bo. The welding variables recorded by QC appeared to comply with the specified WPS no. B-T-3312-TC-P5.

Welding of weld joints# B/B-4 located on PCMK ESD1 DPSA4-13. Welder is identified as 068918. ZPMC QC is identified as Zhang Bao Bo. The welding variables recorded by QC appeared to comply with the specified WPS no. B-T-3312-TC-P5.

Welding of weld joints# B/B-4 located on PCMK ESD1 DPSA4-13. Welder is identified as 066459. ZPMC QC is identified as Zhang Bao Bo. The welding variables recorded by QC appeared to comply with the specified WPS no.

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B-T-3312-TC-P5.

SAW Process:

Welding of weld joints# 3A located on PCMK WD1 A305-77M-1,2 Welder is identified as 054458. ZPMC QC is identified as Wang Xiao Bing. The welding variables recorded by QC appeared to comply with the specified WPS no. B-T-3221-TC-U5-S-1.

FCAW Process:

Welding of weld joints# 1 located on PCMK WD1 GUSA3-3-99M-3. Welder is identified as 062447. ZPMC QC is identified as Wang Sun. The welding variables recorded by QC appeared to comply with the specified WPS no. B-T-2132.

Welding of weld joints# 1 located on PCMK WD1 GUSA3-3-99M-2. Welder is identified as 054459. ZPMC QC is identified as Wang Sun. The welding variables recorded by QC appeared to comply with the specified WPS no. B-T-2132.

Bay# 5-OBG Assembly

This QA Inspector randomly observed the following work in progress:

Final VT:

This QA inspector performed Final Visual Testing (FVT) of entire welded area of 8 no, miscellaneous items Cable Tray Support CTS 4D(D,E) & CTS 4D1(A,B,C,D,E,F), previously tested and accepted by ZPMC Quality Control personnel.

Unless otherwise noted, all work observed on this date appeared to be generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversation

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By:	Chakrabarti,Dilip Kumar	Quality Assurance Inspector
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Reviewed By:	Clifford,William	QA Reviewer
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